

DEPARTMENT OF TRANSPORTATION -Toll Bridge Program

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July 21, 2010

Contract No. 04-0120F4
04-SF-80-13.2 / 13.9
Self-Anchored Suspension Bridge
Letter No. 05.03.01-007769

Michael Flowers
Project Executive
American Bridge/Fluor, A JV
375 Burma Road
Oakland, CA 94607

Dear Michael Flowers,

Submittal 1636 & Transmittal 3691, Rev. 1 - June 2010 Schedule

The Department is in receipt of update schedule ABF-CAL-TRN-003691R01, "Project Schedule Monthly Update #43 (20-June-2010) - Status Update," dated July 16, 2010, and revision schedule ABF-SUB-001636R00, "Project Schedule Monthly Update No. 43 (20-June-2010)," dated July 2, 2010. Transmittal ABF-CAL-TRN-003691R00 dated July 9, 2010, was superseded by ABF-CAL-TRN-003691R01. The schedule presentation was held on July 9, 2010.

The June 2010 revision schedule shows a 29 day delay to the DRT review of the Lift 14 drawings when compared against the May 2010 schedule. The revision schedule forecasts project completion approximately 16 months beyond the current accepted project completion date of October 24, 2013. Mitigation of all non-excusable delays will be required. The June 2010 update and revision schedules are "Accepted" with the following comments:

CATEGORY B:

B1. Shipment Logic

The FS relationship from SHIP00006, "Shipment 6 Ready to Depart," to PGFABDA0220, "Inspect & Load for Sea Transport - Tower Lifts 4 & 5 and OBG & Tower Misc," appears redundant. Review and revise accordingly.

B2. Lift 13 FL NDT & Repair Successor Logic

Activity 13EBWBFABFLNR, "FAB - FL - NDT, QA & Repair Lift 13," and its successor relationships drive the start date of the following activities. These relationships cause the associated paths to be subcritical. Examine the adequacy of the large lags used. Note that the Department does not take responsibility for impacts arising from rework/repair.

Rel	Lag	Successor ID	Name	OD	Start	Finish	TF
SS	88	13AWSEGAW2100	Step 11: Layout & Fit-up FL3 @PP119	2	16-Sep-10	17-Sep-10	-499
SS	88	13AESEGAE2100	Step 11: Layout & Fit-up FL3 @PP119	2	16-Sep-10	17-Sep-10	-511
SS	110	13AWSEGAW2000	Step 10: Layout & Fit-up FL1 @PP119-1500, PP119+1500	5	8-Oct-10	12-Oct-10	-504
SS	110	13AESEGAE2000	Step 10: Layout & Fit-up FL1 @PP119-1500, PP119+1500	5	8-Oct-10	12-Oct-10	-516

B3. Lift 14 FL NDT & repair successor logic

Activity 14EBWBFABFLNR, "FAB - FL- NDT & Repair 14E/W," and its successor relationships drive the start date of the following activities. These relationships cause the associated paths to be subcritical. Examine the adequacy of the large lags used. Note that the Department does not take responsibility for impacts arising from rework/repair.

Rel	Lag	Successor ID	Name	OD	Start	Finish	TF
SS	75	14AWSEGAW1800	Step 9. Layout & Fit-up FL2 @ PP128.3 & PP128.7	2	12-Dec-10	13-Dec-10	-543
SS	88	14AWSEGAW2500	Step 13. Layout & Fit-up FL3 @ PP126.5 & EB	2	25-Dec-10	26-Dec-10	-546
SS	115	14AWSEGAW3800	Step 26. Layout & Fit-up FL1 @ PP126.5	3	20-Feb-11	22-Feb-11	-546

B4. Lifts 13 and 14 Bike Path and Counterweight Installation

The schedule currently shows installation of the Lifts 13/14 counterweight prior to load transfer and bike path installation after load transfer. Review and revise logic as necessary.

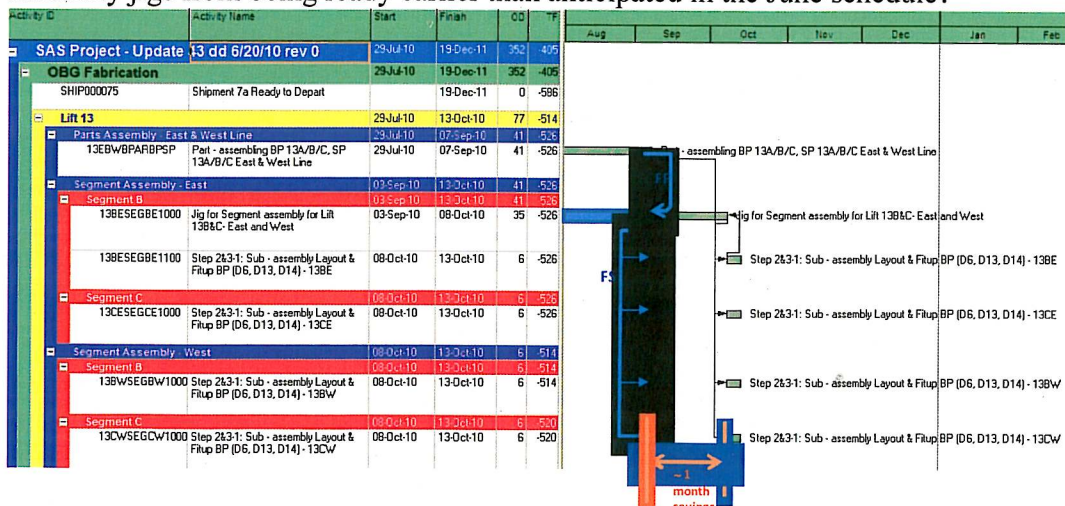
Activity ID	Activity Name	Start	Finish	TF	OD	2012	2013	2014	2015
SAS Project - Update 43 dd 6/20/10 rev 0		01-May-12	13-Nov-13	-296	331	M A M J J A S O N D	J F M A M J J A S O N D	J F M A M J J A S O N D	J F M A M J J
BDCON001980	Install Counterweight - Bridge Deck Lifts 13W, 14W	01-May-12	02-May-12	-44	2		Install Counterweight - Bridge Deck Lifts 13W, 14W		
BDCON001990	Place Counterweight Concrete - Bridge Deck Lifts 13W, 14W	03-May-12	07-May-12	-44	3		Place Counterweight Concrete - Bridge Deck Lifts 13W, 14W		
CACON000540	Attach BG Lifts to Suspenders - Load Transfer	07-Aug-13	11-Sep-13	-360	25			Attach BG Lifts to Suspenders - Load Transfer	
BDCON001960	Install Bikepath - Bridge Deck Lifts 13E, 14E	12-Sep-13	18-Sep-13	-279	5			Install Bikepath - Bridge Deck Lifts 13E, 14E	
CACONCF0540	Attach BG Lifts to Remaining Suspenders - Post-Load Transfer	12-Sep-13	13-Nov-13	-360	45			Attach BG Lifts to Remaining Suspenders - Post-Load Transfer	
BDCON001970	Install Bikepath Railing - Bridge Deck Lifts 13E, 14E	19-Sep-13	09-Oct-13	-271	15			Install Bikepath Railing - Bridge Deck Lifts 13E, 14E	

B5. CCO 151 Contractor Coordination

CCO 151 was executed on July 12, 2010. Please incorporate the CCO work with the appropriate logic /duration changes in the July 2010 schedule.

B6. Lift 13 Segment B and C East and West Segment Assembly

It appears that the start of segment assembly of segments 13B and 13C East and West will not begin until approximately one month after BP and SP parts assemblies are completed because the segment assembly jigs will not be ready (See figure below). What is the constraint that prevents the segment assembly jigs from being ready earlier than anticipated in the June schedule?



B7. CCO 120 - Hinge A Bearings

State Letter 05.03.01-007645 dated July 1, 2010, directs ABF to transport the Hinge A bearings and components to ZPMC for shop assembly and trial fit in the pipe sleeves of Diaphragms A and B of Lift 14. Please indicate the planned duration for this work on the East and West lines and at what stage of fabrication it will be performed.

B8. Active Activities without Progress

The update schedule contains active activities reporting progress issues (See Attachment – Progress issues Update 43.pdf). Examine these activities prior to the next schedule submission to ensure that correct status is represented. If the status is correct, provide an explanation for the lack of progress. The narrative for future updates should contain an explanation for the lack of progress in specific areas of the work and include a mitigation plan as required.

CATEGORY C:

C1. OBG Lifts 13 & 14 Segment Assembly Procedures

The Department is continuing to work with ABF to identify schedule mitigation opportunities.

C2. Lift 14 FL NDT & Repair Duration

The logical relationships referenced in the ABF response do not affect the schedule times for this activity. The start time for the activity is controlled by the predecessor relationships identified in State Letter 7644 and the finish time by the 150 days duration. Note that the Department does not take responsibility for impacts arising from rework/repair.

C3. Lift 14 BP/SP Part-Assembling

It is noted that the FS precedence relationships between the Lift 14 BP/SP parts fabrication and parts assembling are due to shop space availability constraints.

C4. Traveler Scaffold Progress

The Department does not agree with the traveler fabricator's position that approval of all structural drawings is necessary to commence fabrication.

The June 2010 revision schedule revision is accepted as ABF's current plan to complete the project with the understanding that all non-excusable delays will be mitigated. The Department continues to work with ABF to expedite progress and mitigate potential impacts.

Sincerely,


GARY PURSELL
Resident Engineer

Attachment

cc: Bill Shedd

Don Ross

file: 05.03.01, 26.05